

ABSTRACT OF THE DISCLOSURE

5 A DNA encoding a neoxanthin cleavage enzyme used for
improving stress tolerance in a plant, a method for increasing
stress tolerance in a plant by introducing the DNA into the plant,
and a transgenic plant into which a neoxanthin cleavage enzyme
gene is introduced, are provided. A DNA used for reducing stress
tolerance in a plant, a method for decreasing stress tolerance
in a plant by introducing the DNA into the plant, and a transgenic
10 plant into which the DNA is introduced, are also provided. The
present invention enables creating a plant in which stress
tolerance has been increased or decreased.

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